

REMARKS/ARGUMENTS

Claims 1-15 are pending in the application. In the Office Action, claims 1-12 and 14-15 were rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 4,061,956 to Brown, et al. (Brown). Claim 13 was rejected under 35 U.S.C. 103(a) as being unpatentable over Brown in view of U.S. Patent No. 6,972,542 to Patino, et al. (Patino).

Independent claim 1 has been amended to clarify that the input power supply signal continues to fluctuate after its receipt and that a voltage level of the input power supply signal is monitored to determine when the fluctuating input power supply signal reaches first and second predetermined thresholds. Independent claim 9 has been similarly amended. Support for the amendments can be found on page 5, line 23 to page 6, line 1 of the application. No new matter has been added.

Because the received signal in the current application continues to fluctuate after its receipt, the signal is monitored to determine when it reaches first and second thresholds. A charging switch is then selectively controlled based on these continuous fluctuations of the input power supply signal. Such a feature is not contemplated by Brown. The external supply source (16) may have an initial ramp-up in voltage when the system is first activated, but this source (16) will not fluctuate after its receipt, particularly in view of the source (16) being a DC source (see col. 3, lines 7-10).

Moreover, after the initial start-up, the Brown reference teaches the exact opposite process from what is described in the current application. Brown is expressly concerned with turning *off* the switch (12) if the supply voltage *increases*

to a predetermined threshold to protect the system from an overvoltage condition (see col. 8, lines 54-59). In addition, the system in Brown will *activate* the switch (12) when the voltage level *decreases* to a second threshold (see col. 8, lines 62-64).

Turning to independent claim 8, this claim recites the limitation that an input power supply signal is received in an electronic device having a capacitor with a value high enough to maintain a voltage level of the input signal to indicate that the device is being charged to prevent disabling of a charging sequence for a battery. Applicants respectfully submit that the Examiner has failed to clearly identify where such a limitation is shown in Brown. There is simply no mention of this particular feature in Brown. The boost circuit (14) of Brown merely processes the supply signal that it receives by modifying the current level received by the battery (26) in accordance with a charging algorithm (see col. 4, lines 9-14 and col. 6, lines 48-58). Brown does not say anything about the operational parameters of the boost circuit (14) in relation to maintaining a voltage level to prevent disablement of a charging sequence or that the boost circuit (14) even maintains a voltage level of the supply signal.

In view of the above, Applicants submit that the above claims are patentable over the prior art. Reconsideration and withdrawal of the rejection of the claims is respectfully requested. Passing of this case is now believed to be in order, and a Notice of Allowance is earnestly solicited.

No amendment made was related to the statutory requirements of patentability unless expressly stated herein. No amendment made was for the purpose of narrowing the scope of any claim, unless Applicants have argued

herein that such amendment was made to distinguish over a particular reference or combination of references.

In the event that the Examiner deems the present application non-allowable, it is requested that the Examiner telephone the Applicants' attorney or agent at the number indicated below so that the prosecution of the present case may be advanced by the clarification of any continuing rejection.

The Commissioner is hereby authorized to charge any necessary fee, or credit any overpayment, to Motorola, Inc. Deposit Account No. 50-2117.

Respectfully submitted,

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